

IN-LINE PROGRAMMING DEVICE WITH SELF-TEACHING CAPABILITY

ABSTRACT OF THE DISCLOSURE

An in-line programming (ILP) system and method for programming and testing programmable integrated circuit devices (PICs) and performing the assembly of printed circuit board assemblies (PCBAs). Printed circuit boards enter and leave the ILP system on a conveyor system. PICs are loaded into the ILP system, and the ILP system automatically programs and tests the PICs and places them onto the PCBs as the PCBs arrive on the conveyor. The programming and testing operations are performed by the same piece of equipment that performs the PCBA assembly operation.

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